

CLAIMS

1. A packaging method characterized in that it comprises the steps:

. provision of a bag whose mouth includes opening/closing means (30) for multiple successive openings and closings on the one hand and on the other hand, a cleavable linking veil (40), located at a distance therefrom, inside the bag in relation to said opening/closing means (30),

. introduction of contents (100) to be wrapped in the bag, and

. tightening of this bag in order to close it, tension being applied to said contents (100), said veil (40) entering into contact with the contents (100) avoiding the application of stresses on the opening/closing means (30), but guaranteeing free access to the contents (100) via said opening/closing means (30) after tearing and enabling the bag to be relaxed in a closed state as a result of the distance (D) separating the veil (40) and the opening/closing means (30).

2. The method according to claim 1, characterized in that the step for providing the bag comprises a welding step at the mouth of the latter in order to conform said mouth.

3. The method according to any of claims 1 or 2, characterized in that the provision step consists of providing a closing assembly (300) formed with a sheet (302) folded as a U on itself and including opening/closing means (30) at its opening contour, and of welding this assembly (300) with the concavity turned outwards on the mouth of the bag between the walls (10, 20).

4. The method according to claim 3, characterized in that the sheet (302) is attached on the walls (10, 20) at least near its middle area.

5. The method according to claim 4, characterized in that the sheet (302) is also attached onto the walls (10, 20) near its free edges.

5 6. The method according to any of claims 1 or 2, characterized in that the provision step consists of folding a sheet (312) on itself as a W in the form of a central fold (318) and two side folds (317, 319), and of welding (313, 314) the top of the central fold (318) thereby formed on the  
10 adjacent surfaces of the side components of the sheet.

7. The method according to claim 6, characterized in that it further comprises the step consisting of welding the side folds (317, 319) near the top of the mouth.  
15

8. The method according to any of claims 1 or 2, characterized in that the provision step consists of folding a sheet (320) on itself as a U, which forms the main walls (10, 20) of the bag, and attaching onto the outside of this fold, a  
20 closing assembly comprising two supporting veils (31, 32) which bear respective opening/closing means (33, 34).

9. The method according to any of claims 1 to 8, characterized in that the opening/closing means (30) comprise  
25 a cursor (50).

10. The method according to any of claims 1 to 9, characterized in that the filling of the bag is performed through the end of the latter opposite to its mouth.  
30

11. The method according to any of claims 1 to 10, characterized in that the distance (D) separating the opening/closing means (30) and the veil (40) is between 2 and 5 cm.  
35

12. A packaging device characterized in that it comprises:

. means for providing a bag whose mouth includes opening/closing means (30) for multiple successive openings and closings on the one hand, and on the other hand, a cleavable linking veil (40), located at a certain distance  
5 therefrom, inside the bag in relation to said opening/closing means (30),

. means for introducing contents (100) to be wrapped in the bag, and

. means capable of tightening the bag in order to close it,  
10 tension being applied to said contents (100), said veil (40) entering into contact with the contents (100) avoiding the application of stresses on the opening/closing means (30), guaranteeing free access to the contents (100) via said opening/closing means (30) after tearing, enabling the bag to  
15 be relaxed in a closed state as a result of the distance (D) separating the veil (40) and the opening/closing means (30).

13. The device according to claim 12, characterized in that it comprises means capable of performing welding of the  
20 bag to conform said mouth.

14. The device according to any of claims 12 or 13, characterized in that it comprises means capable of providing a closing assembly (300) formed with a sheet (302) folded as a  
25 U on itself and including the opening/closing means (30) at its opening contour, and of welding this assembly (300) with the concavity turned outwards on the mouth of the bag between the walls (10, 20).

30 15. The device according to claim 14, characterized in that it comprises means capable of attaching the sheet (302) onto the walls (10, 20) at least near its middle area.

16. The device according to claim 15, characterized in  
35 that it comprises means capable of attaching the sheet (302) on the walls (10, 20) near its free edges.

17. The device according to any of claims 12 or 13, characterized in that it comprises means capable of folding a sheet (312) on itself as a W in the form of a central fold (318) and two side folds (317, 319) and of welding (313, 314) the top of the central fold (318) thereby formed on the adjacent surfaces of the side components of the sheet.

18. The device according to claim 17, characterized in that it further comprises means capable of welding the side folds (317, 319) near the top of the mouth.

19. The device according to any of claims 12 or 13, characterized in that it comprises means capable of folding a sheet (320) on itself as a U which forms the main walls (10, 20) of the bag, and then of attaching on the outside of this fold, a closing assembly comprising two supporting veils (31, 32) which bear respective opening/closing means (33, 34).

20. The device according to any of claims 12 to 19, characterized in that the opening/closing means (30) comprise a cursor (50).

21. The device according to any of claims 12 to 20, characterized in that it comprises means capable of filling the bag through the end of the latter opposite to its mouth.

22. The device according to any of claims 12 to 21, characterized in that the distance (D) separating the opening/closing means (30) and the veil (40) is between 2 and 5 cm.

23. A packaging bag intended for applying the method according to any of claims 1 to 11 and/or for packaging contents in a bag, by means of the device according to any of claims 12 to 22, characterized in that it includes at its mouth, opening/closing means (30) for multiple successive openings and closings on the one hand and on the other hand, a

cleavable linking veil (40), located at a distance therefrom,  
inside the bag in relation with said opening/closing means,  
after tearing, so that when the bag is tightened in order to  
close it, tension being applied to its contents, said veil  
5 (40) entering into contact with the contents avoids the  
application of stresses on the opening/closing means (30) but  
guarantees free access to the contents via said  
opening/closing means (30) after tearing and enables the bag  
to be relaxed in the closed state as a result of the distance  
10 separating the veil (40) and the opening/closing means (30).

24. An application of the bag according to claim 23 to  
the packaging of diapers or equivalent protective means.